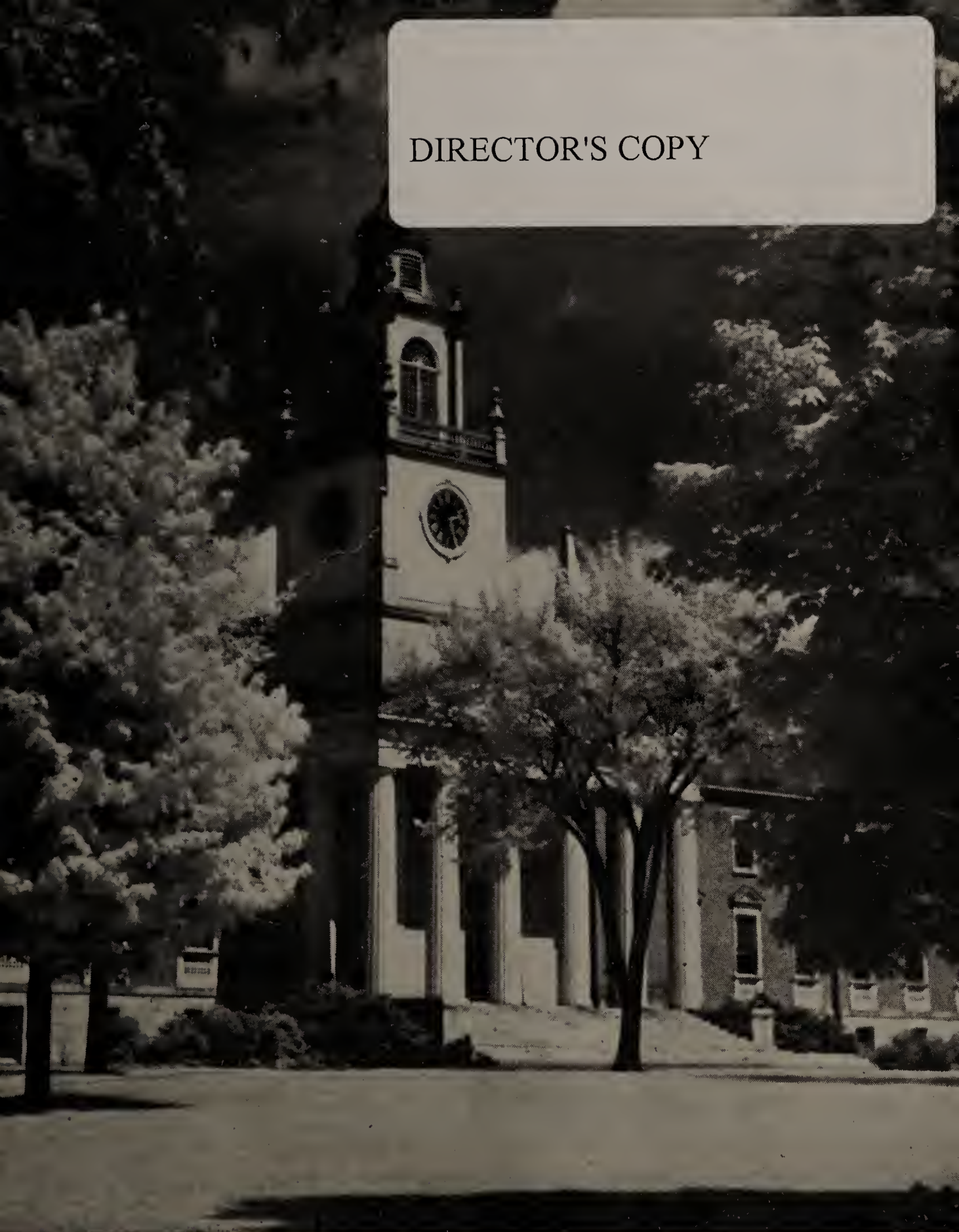

The Andover Summer Session

June 25 — August 20, 1947

PHILLIPS ACADEMY, ANDOVER, MASSACHUSETTS

Foreword

The Sixth Andover Summer Session will open on June 25, and will continue until August 20, 1947.

The Summer Session, originally instituted because of war conditions, has now become a regular and important part of the school's yearly schedule, and is prepared to meet a genuine demand. Since the war, the Session has somewhat altered its objectives. In 1947 opportunity will be offered for a few Veterans to obtain the special college preparation which they require. Even more important, however, will be courses intended to give Andover students facilities for making up scholastic deficiencies or completing fields of study for credit towards the regular school diploma. Following a practice which has almost become traditional, candidates for the regular session in the autumn will be offered a means of becoming acclimated to Andover standards and procedures. Applicants from other schools, both public and independent, from any section of the country, will be selected on their merits.

In the 1947 Session, Mr. Frank M. Benton, of the regular school faculty, will carry on his second year as Director. This Session, like those before it, is sponsored and supported by the Trustees of Phillips Academy, and will have at its disposal all the school's educational and recreational facilities.

Claude M. Fuess
Headmaster of Phillips Academy

GEORGE WASHINGTON HALL
Administration Building and Auditorium

Phillips Academy

Phillips Academy in Andover, Massachusetts, is a college-preparatory, boarding school for boys. Now in its 169th year, Andover, as the Academy is often called, has an enrollment of over seven hundred and fifty students and a faculty of seventy-six. In the session, 1946-1947, its students came from forty states and ten foreign countries.

Phillips Academy is a liberal, modern school with a long tradition of national service and devotion to democratic ideals. It has always sought to develop in its students sound scholarship and manly character, with emphasis on resourcefulness, self-reliance, and independence.

Throughout the four years of its curriculum, Andover stresses thorough training in English, foreign languages, history, mathematics, and science. There are also other liberal arts courses. Large scholarship funds put the education which it offers within reach of any serious and able student in need of aid.

The town of Andover, in historic Essex County, is twenty-five miles north of Boston, from which it is easily reached by train, bus, or automobile.

The Andover Summer Session

The Summer Session is an integral part of Phillips Academy. It was instituted in 1942 primarily as a war-time measure and it enabled boys from Andover and other schools to finish their secondary school education before being called to military service and to get training which prepared them more rapidly and thoroughly for national service, both in the war emergency and beyond.

The Summer Session has other important functions. It offers many younger boys the stimulating experience of

school life away from home, the opportunity of making friends with boys from diverse localities and backgrounds, and the challenge of rigorous preparatory school standards. It gives boys who are planning to enter Andover in the fall an opportunity to strengthen their academic preparation and to adjust themselves to Andover standards and life. It also assists students who are short of normal class standing to make up their deficiencies. *The Andover Summer Session is not a tutoring or cramming school.*

Up to the limit of its capacity, the Andover Summer Session welcomes **qualified boys from high schools and preparatory schools.**

The comprehensive curriculum of the Summer Session meets the varying needs of boys of different ages. Further, for all of its students the Session provides a well-rounded educational experience outside the classroom. All students attend daily assembly. In addition to daily sports, they participate in a rigorous program of body-building exercises.

PROGRAM FOR VETERANS

Opportunity is offered for veterans to bridge the gap from war service to college admission. Many scheduled courses are adapted for review of school work already passed and other classes offer an opportunity for work not previously studied.

THE SUMMER SESSION CURRICULUM

A brief description of the courses offered in the Summer Session is given on pages 17-21 of this catalogue. *No course will be given unless it has a sufficient enrollment.* The time-schedule of the recitations may, in some instances, restrict the free choice of courses. Applicants for admission are expected to make known the courses which they wish to

take, and will be informed of any conflicts of hours as soon as the schedule is fixed. If there is sufficient demand, courses not offered in the catalogue may be arranged.

Summer Session courses are of three main kinds, described below: major courses; minor courses doing advanced work; minor review courses. In general, it is expected that boys who attend for the summer only will take new and advanced work rather than review courses designed to make up previous failures.

Major Courses

Major courses meet **two periods** a day, six days a week.

A major course is substantially the equivalent of a similar full course taken during the regular academic year at Phillips Academy. An Andover student who completes a major course in the Summer Session receives one unit of credit for it towards his diploma. Other secondary schools have been willing to give similar credit for such a course, but in each case individual arrangements must be made by the student with the school in question.

Minor Courses

Minor courses meet **one period** a day, six days a week.

One type of minor course does advanced work and carries one-half unit of credit. In this category are courses in mathematics and sciences.

The other type of minor is the review course which provides opportunity to make up work failed during the regular school year or to strengthen foundations in basic subjects. Such courses are particularly helpful to a boy, who, planning to enter Phillips Academy in the fall, needs further grounding in the materials he will study the following year. Successful completion of a review course secures credit for that course at Phillips Academy without further examination.

THE COCHRAN CHAPEL

THE NORMAL PROGRAM

Each boy's program is carefully planned by his faculty adviser.

Each boy must take at least twelve hours of class-room work, but may not carry more than eighteen hours.

RELIGIOUS SERVICES

A simple religious service is held on Sundays in the early evening. Students are required to attend either this service or a service in one of the town churches. The Academy minister will be a member of the Summer Session faculty and available for consultation with students.

PHYSICAL FITNESS AND SPORTS

The Summer Session has a comprehensive health and athletic program. Four days a week, each student, unless excused by the School Physician, takes part in body-building exercises. Designed to develop muscular coordination, good posture, strength, and physiological efficiency, these exercises have proved extremely effective in both the regular and summer sessions of Phillips Academy.

Organized sports follow the body-building exercises. Tennis, swimming, baseball, outdoor basketball, and informal track athletics are offered, with frequent intramural contests and tournaments. The numerous Academy playing fields, baseball diamonds, and tennis courts provide excellent facilities. On rainy days the Case Memorial Cage and the Borden Gymnasium are used.

At the opening of the Session a swimming test is given to each boy, and those who cannot swim are required to take lessons in the Academy pool. Swimming instruction is also given to others who wish it. Emphasis is put upon a water-safety program.

Swimming is also available in the Bobby Thompson Pond, an attractive small lake in the Moncrieff Cochran Sanctuary, ninety acres of woodland adjoining the Academy campus. In hours permitted for student swimming, a lifeguard is in attendance.

HEALTH SUPERVISION AND MEDICAL CARE

In addition to directing the physical fitness program described above, the Academy Department of Health supervises the Summer Session diet, the health of food handlers, the condition of the swimming pool and pond, and other aspects of community hygiene.

The Isham Infirmary, a well-equipped small hospital, is open throughout the Summer Session, with a trained nurse in attendance and the school physician available. Students are urged to seek the help of the school physician in any matter pertaining to their mental or physical health. In an emergency, hospitals and specialists of the city of Boston can be reached within an hour. There is no charge for care at the Isham Infirmary in the event of minor injuries or illnesses of short duration. Extra charges are made if the services of private nurses or consultants prove necessary, or in the event of injuries or illnesses involving a physician's attention and more than three days' stay at the Infirmary. After the third day at the Infirmary a charge of $3.00 a day is made.

In order to assist parents in budgeting such expense for extra medical care, blanket accident and health insurance is offered to Summer Session boarding students. The cost of the insurance is covered by the Summer Session charge.

DISCIPLINE AND INDIVIDUAL RESPONSIBILITY

Attendance at the Andover Summer Session implies a serious purpose on the part of the student and a willingness to assume a large measure of responsibility for maintaining

order and for cooperating directly in the running of the Session. Rules are few and simple, and are based on the assumption that the student is willing and able to discipline himself.

Dormitories have faculty supervision. The students themselves perform some of the everyday tasks connected with the operation of the school. They make their own beds, keep their rooms in order, serve themselves at meals, and take their turn at the regular work of the dining hall. Every student is required to meet all his appointments.

With the exception of the first and last weekends of the Session, students in good standing may go to their homes or visit friends' homes on weekends, leaving after their last appointment on Saturday and returning in time for evening study hours on Sunday. Similar privileges are allowed for Saturday and Sunday day trips to nearby places. But all out-of-town excuses may be withheld if a student's record is unsatisfactory or if, in the judgment of the faculty, his work would suffer through his absence.

Any student who shows himself unwilling to conform to the spirit of the Session, who neglects his work, or who is believed to exercise an injurious influence upon others may be dismissed at any time.

The possession, the renting, or driving of any motor vehicle in the town of Andover is forbidden.

FACULTY AND EQUIPMENT

The Trustees and Headmaster of Phillips Academy have full authority over the Summer Session. Immediate control is in the hands of the Summer Session faculty and the Director. The faculty of about twenty-five men is drawn largely from the regular Academy teaching staff. All the buildings, equipment, and facilities of the Academy are available for the Summer Session. Classes are held in the regular classroom buildings and students eat in the

THE MEMORIAL TOWER

In memory of ninety-one Andover men who gave their lives in World War I

Commons and live in brick dormitories. The Oliver Wendell Holmes Library, containing over fifty thousand volumes, the Addison Gallery of American Art, and the museum of the Peabody Foundation for Archaeology are open throughout the summer.

THE DAILY SCHEDULE

7:15	Breakfast
8:15-9:08	Class or study hour
9:15	Assembly
9:35-10:28	Class or study hour
10:35-11:28	Class or study hour
11:35-12:28	Class or study hour
12:30	Lunch
1:30-2:23	Class or study hour
3:00-3:30	Body-building
3:30-5:00	Sports
6:00	Dinner
8:00	Evening study period begins
9:30	Lights out for the younger boys
10:30	Lights out for the rest of the school

On Wednesday and Saturday afternoons, there will be no body-building or required sports.

THE YOUNGER BOYS

Special provision is made for a limited number of younger boys who plan to enter the Junior, or first-year, class of Phillips Academy in September and who wish to gain experience for the regular Andover program. These pre-Juniors live by themselves under special faculty supervision. Unless ready for more advanced work, they study *three* of the four subjects: Arithmetic, English, French, Latin. These courses are not accepted as college entrance

10.* Give name and address of persons who would be willing to act as a reference. Two of these, clearly indicated, must be present teachers of the applicant.

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11.* Please send with this form a small photograph or good snapshot. (Disregard this request *only* if you are sending a photograph to the Phillips Academy Admissions Office in connection with admission to Andover in the fall.)

12. What college do you plan to enter?.....

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13. Have you ever been under discipline at, or dismissed from, any school? If so, attach to this form a statement giving the name of the school and particulars.

14.* List the courses which you are taking this year.

Name and Description (e.g. French, 2nd year)	Weeks	Hours per week	Marks to date
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....

15.* What is your present class?.....

16.* When do you expect to graduate from your present school?.....

17. List the courses which you plan to take this summer.

Much time can be saved in correspondence and in acting upon your application if you will

(1) Study carefully the description of the courses in the Summer Session catalogue to be sure that your educational background and age fit you for the courses which you list.

(2) Remember the following concerning the number of courses and hours you may take:

a. If you need to carry more than 12 hours of prepared class work a week and can show evidence of ability to do this, you may take 18 hours (usually one major **and** one minor).

b. A student is not permitted to take **two** major courses.

c. Pre-Juniors take three minor courses.

(3) If you are listing a review course, be sure to add an R after its title.

	First Choice	Alternate
Major	.....	.....
Minor	.....	.....
Minor	.....	.....
Minor	.....	.....

.....

18. Do you wish to have a roommate? State any factors which you would like to have considered in your room assignment.

19. What do you hope to achieve by attending the Summer Session?

20. Statement of parent or guardian: This application is made with my full knowledge and consent.

Date of application

Signature or parent or guardian

usual promise not previously enrolled in Phillips Academy whose chief purpose in coming to the Summer Session is to prepare more effectively for citizenship. Scholarship boys will be expected to take some small job necessary to the smooth functioning of the Session, but such work will not interfere with full participation in the life of the school.

Awards will be based mainly on three factors: intellectual ability, character, and financial need. Also considered is achievement in some worth while activity outside the classroom; i.e., responsible participation in community affairs, student government, or other extra-curricular activity, or developed special interests of an intellectual or artistic nature.

Scholarship applications should be made on special blanks which will be furnished on request. These, together with the materials which they call for, must be returned to the Director by May 15. Awards will be made by May 25. Although funds for scholarship aid are limited, it is hoped that no outstanding student of serious purpose will be prevented for financial reasons from enrolling.

ADMISSION

Because of the purpose and nature of the Summer Session, entrance examinations are not required of regular Summer Session students. All students, however, must present acceptable evidence of serious purpose, good character, and ability to meet the scholastic standards of Phillips Academy. Whenever possible, a personal interview should be arranged. **Since the capacity of the Summer Session is definitely limited, early application is highly desirable.**

An applicant for admission should fill out completely the form in the back of this catalogue and send it, together with all materials which it requests, to the Director. The Summer Session will then send to the principal of the

school which the applicant last attended a request for official records of his work and a certificate attesting his good character.

If a student wishes to obtain academic credit at his school for work done in the Summer Session, he should secure the approval of his principal in advance.

Courses Offered

The number of courses a student is permitted to carry is stated on page 9 of this catalogue. Please read this carefully before filling out an application blank.

The symbol **R** after a course title indicates a review course. All other courses, whether major or minor, do new or advanced work.

Major courses ordinarily meet 12 hours a week and minor courses 6 hours a week.

MATHEMATICS

Mathematics 4 **12 Hours**

The regular fourth-year course in elementary mathematics. Prerequisite is the satisfactory completion of three years' work in secondary mathematics: namely, elementary and intermediate algebra and plane geometry. For the Summer Session the course comprises any **two** of the following three parts.

Any one part may be taken as a separate minor course.

Mathematics 4 T **6 Hours**

Plane trigonometry and logarithms.

Mathematics 4 S **6 Hours**

Solid geometry. Spatial relations, constructions, loci, and computations will be emphasized.

Mathematics 4 A **6 Hours**

The study of the following topics in advanced algebra: imaginary and complex numbers, the theory of higher degree equations, determinants, permutations, combinations, probability, scales of notation, undetermined coefficients, summation of series, and mathematical induction.

FROM THE PORTICO OF SAMUEL PHILLIPS HALL

Mathematics 3 R — 6 Hours

A general review of plane geometry.

Mathematics 2 — 12 Hours

A course in elementary and intermediate algebra for which a thorough grounding in at least one year of algebra is prerequisite.

Mathematics 2 R — 6 Hours

A general review of elementary and intermediate algebra.

Mathematics 1 — 12 Hours

The beginning course in algebra covering the subject through the solution of simultaneous equations, one linear and the other quadratic.

Mathematics 1 R — 6 Hours

A general review of first-year algebra, designed to anticipate the second-year study in this field.

Arithmetic — 6 Hours

Basic preparation for the first year in mathematics in Phillips Academy, this course covers the fundamental processes with whole, fractional, decimal, and denominate numbers; percentage, simple interest relations and applications; square root; common tables of measures; mensuration of areas and volumes; elementary graphing of statistical material; and mental drill

SCIENCES

Physics — 12 Hours

This course consists of two parts, given concurrently. Each part includes laboratory work. Successful completion of both halves of the course will secure credit for a year's work in Physics.

Either part may be taken as a separate minor course.

Physics A — 6 Hours

Mechanics and Heat.

Physics B — 6 Hours

Magnetism, Electricity, Light, and Sound.

Physics R — 6 Hours

This course reviews the work of the entire year and is planned for boys who have completed a year of Physics, but failed to receive credit for it, or for those who have received credit, but feel the need of review. There will be no laboratory work in this course.

Chemistry — 12 Hours

Emphasis is placed upon an understanding of the fundamental concepts of chemistry and upon sound reasoning based on those concepts. Whenever possible, the applications of chemistry to post-war problems will be stressed. The course includes laboratory work.

Chemistry R — 6 Hours

This class reviews the work of the entire year. It is planned for boys who have had a year of chemistry, but need a refresher course before college admission. There is no laboratory work.

FOREIGN LANGUAGES

The major courses in foreign languages are planned to meet the usual college entrance requirements for each year of study.

The following major courses, **all of 12 hours,** are offered: **French 1; French 2; German 1; Spanish 1; Latin 2.**

Except for Pre-Junior French and Latin, the minor courses in foreign languages are all review courses for students who have failed the work previously or who feel the need of additional training in order to strengthen their foundations.

The following review courses, **all of 6 hours,** are offered: **French 1 R; French 2 R; French 3 R; German 1 R; German 2 R; Spanish 1 R; Spanish 2 R; Latin 1 R; Latin 2 R.**

Minor courses are offered for pre-Juniors in French and Latin. These courses do not give credit for first year French or Latin in Phillips Academy, but make easier the transition into the work of the Fall Term.

To supplement and strengthen the class work in modern languages, opportunity will be available for practice in conversation.

ENGLISH

English 4 A **6 Hours**

This course gives training in reading and writing at the level of English 4, with emphasis upon the analysis and exposition of ideas. The readings are mainly in the essay, the drama, and the novel. The composition work stresses the fundamentals of rhetoric, including organization of materials, paragraphing, and sentence structure.

English 3 **12 Hours**

This course gives training in composition, with emphasis upon exposition, and upon the understanding and appreciation of various types of literature. It is a major course, the successful completion of which secures admission to English 4.

The other English courses are all review courses for students who wish to make up deficiencies in English or to strengthen their foundation in the subject. Each, at the appropriate level of difficulty, gives training in the basic skills of reading, writing, and speech, and in the understanding and appreciation of various types of literature.

The following review courses, **all of 6 hours,** are offered: **Pre-Junior English; English 1 R; English 2 R;** and **English 3 R.**

DIRECTED READING

In the Summer Session, all boys, whether members of English classes or not, are given the chance to read good books under the guidance of a teacher of English and of the School Librarians. This directed reading will bring great profit and pleasure to any boy who will avail himself of the opportunity.

MUSIC

Students are encouraged to bring with them their musical instruments. Pianos are available for practice and instruction in piano may be scheduled at moderate extra expense.

The Summer Session Faculty

Claude Moore Fuess, Ph.D., Litt.D., L.H.D., LL.D.
Headmaster

James Gould, A.B. — *Treasurer*

Henry Hopper — *Associate Treasurer and Comptroller*

Frank May Benton, A.B. — *Director*

Mrs. Ruth P. Ellison, B.S. — *Secretary*

Alfred Graham Baldwin, A.B., B.D. — *School Minister*

Cornelius Gordon Schuyler Banta, B.S. — *Mathematics*

Alan Rogers Blackmer, A.M. — *English*

Frederick May Boyce, A.M. — *Physics*

William Hayes Brown, A.B. — *English*

John Kingsbury Colby, A.M. — *Latin*

Frank Frederic Di Clemente, S.B.
Assistant to Director and Director of Athletics

Douglas Mansor Dunbar, A.B. — *German and Mathematics*

James Roswell Gallagher, M.D. — *School Physician*

Arthur Wellesley Howes, Jr., A.B. — *Music*

Thomas John Johnson, S.B. — *Physical Education*

Henry Preston Kelley, A.M. — *Spanish*

Robert Edward Maynard, S.B. — *Mathematics*

Lester Charles Newton, A.M. — *French and German*

Henry Dayton Niehaus, A.B. — *Chemistry*

Richard Harvey Sears, A.B., Ed.M. — *Latin*

Robert Whittemore Sides, A.B. — *Mathematics*

Winfield Michael Sides, S.B. — *Mathematics*

Ralph Leslie Small, A.M. — *English*

Joseph Staples, A.B. — *French*

Waldo Earle Sweet, Ph.D.
Counsellor to Veterans and Latin

Robert Bates Taylor, A.M. — *French and Spanish*

Norman Étienne Vuilleumier, A.B. — *English*

Frederick Ellsworth Watt, S.B. — *Mathematics*